

Title (en)  
TERMINAL DEVICE ACCESS CONTROL METHOD AND APPARATUS

Title (de)  
ZUGANGSSTEUERUNGSVERFAHREN UND -VORRICHTUNG FÜR ENDGERÄTEVORRICHTUNG

Title (fr)  
PROCÉDÉ ET APPAREIL DE COMMANDE D'ACCÈS DE DISPOSITIF TERMINAL

Publication  
**EP 4178265 A4 20230726 (EN)**

Application  
**EP 20945721 A 20200724**

Priority  
CN 2020104602 W 20200724

Abstract (en)  
[origin: EP4178265A1] This application discloses an access control method and apparatus for a terminal device, to resolve communication failures occurring in a non-terrestrial network when a public land mobile network selected by a terminal device may not be a public land mobile network of a country in which the terminal device is located. The method includes: A network device receives public land mobile network information indicating a first public land mobile network selected by the terminal device. The network device obtains location information of the terminal device, and determines, based on the location information and country information that corresponds to the first public land mobile network, whether the terminal device is allowed to access the first public land mobile network.

IPC 8 full level  
**H04W 48/02** (2009.01); **H04W 48/04** (2009.01)

CPC (source: EP US)  
**H04W 48/04** (2013.01 - EP); **H04W 48/18** (2013.01 - US); **H04W 64/00** (2013.01 - US); **H04W 76/30** (2018.02 - US); **H04W 84/06** (2013.01 - EP)

Citation (search report)

- [YA] CN 103716854 A 20140409 - DATANG MOBILE TECHNOLOGIES CO
- [A] US 2015208293 A1 20150723 - ZHANG YANPING [CN], et al
- [A] US 2014051443 A1 20140220 - DIACHINA JOHN WALTER [US], et al
- [XY] ERICSSON ET AL: "Sol#13: Additional description and evaluation of Solution #13", vol. SA WG2, no. Elbonia; 20200601 - 20200612, 22 May 2020 (2020-05-22), XP051889730, Retrieved from the Internet <URL:https://ftp.3gpp.org/tsg\_sa/WG2\_Arch/TSGS2\_139e\_Electronic/Docs/S2-2003687.zip S2-2003687\_5GSAT\_23737\_Sol13\_update\_and\_evaluation.docx> [retrieved on 20200522]
- See also references of WO 2022016551A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4178265 A1 20230510; EP 4178265 A4 20230726**; CN 115804152 A 20230314; US 2023164685 A1 20230525;  
WO 2022016551 A1 20220127

DOCDB simple family (application)  
**EP 20945721 A 20200724**; CN 2020104602 W 20200724; CN 202080102994 A 20200724; US 202318156892 A 20230119